

# HAZARDOUS WASTE GENERATOR RCRA INSPECTION CHECKLIST

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5. Labelling: [Env-Wm 507.02(a) (3), 507.03(a) (1), 507.03(a) (2) /509.02(a) (4) ]

hazardous waste storage area	main hwsa						
a) Is hw shipped off-site within 90 days of the doa? 507.02(a) (3)	OK						
b) Are doa marked? 507.03(a) (1) a.	OK						
c) Are the words "hazardous waste" marked? 507.03(a) (1) b.	OK						
d) Are words that identify the contents marked? 507.03(a) (1) c.	OK						
e) Are the EPA or State waste numbers marked? 507.03(a) (1) d.	OK						
f) Are hw labels unobscured and accessible? 507.03(a) (2) 509.02(a) (4)	OK						

\*: hazardous waste containers in the warehouse were inaccessible



## HAZARDOUS WASTE GENERATOR RCRA INSPECTION CHECKLIST

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6. Containers: [Env-Wm 507.01]

hazardous waste storage area	main hwsa					
a) signs of leaks? 507.01(a) (2)	OK					
b) signs of heat and/or pressure? 507.01(a) (2)	OK					
c) signs of corrosion? 507.01(a) (2)	OK					
d) bungs and lids closed and sealed? 507.01(a) (3)	OK					
e) stored on impervious surfaces? 507.01(b)	OK					
f) floor drains or manholes present? 507.01(c)	OK					
i) if yes, is secondary containment (2°) present? and	-					
ii) is 2° capable of containing the volume of the largest container?	-					



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B. Preparedness and Prevention

[Env-Wm 509.02(a)(4), adopted 40 CFR Part 265, Subpart C]

1. Testing and maintenance of equipment: OK
2. Adequate aisle space between containers:  
(not less than 2 feet) OK
3. Arrangements with local authorities:
  - a) Plant layout OK
  - b) Properties of hazardous waste OK
4. Hazardous waste storage area emergency equipment:  
[Env-Wm 509.02(a)(4), 509.02(b)] (see page 7)

C. Emergency Measures

1. Is the Emergency Coordinator available at all times to respond to emergencies?  
[Env-Wm 508.04(a), 40 CFR 265.55] na
2. Are the steps to be followed in the event of an emergency posted at the nearest telephone including: [Env-Wm 508.04(b), 509.02(b)] NO
  - a) The home and work telephone number for the emergency coordinator; NO
  - b) The telephone number for the local police, fire department and hospital as well as any local or state response teams; and NO
  - c) The location of fire extinguisher, fire alarms and spill control. NO
3. Are all employees familiar with emergency and proper waste handling procedures?  
[Env-Wm 508.04(c)] na

D. General Requirements for Ignitable, Reactive or Incompatible Wastes (Required of all generators)  
[Env-Wm 509.02(a)(3), 40 CFR Part 265.17]

1. Separation of ignitable, reactive and incompatible wastes? na
2. "No Smoking" signs near ignitable and reactive wastes? na



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4. Hazardous waste storage area emergency equipment: [Env-Wm 509.02 (a) (4), 509.02 (b) ]

hazardous waste storage area	main hwsa					
a) alarm/internal communication?	OK					
b) telephone/2-way communication?	NO*					
c) portable fire control equipment?	OK					
d) spill control/decon equipment?	OK					
e) adequate water for fire control?	NO					
f) emergency measures posted at the nearest telephone? **	NO					

NOTE: All items must be within 100 feet of each hazardous waste storage area.

- \* A telephone was within 100 feet of the main hwsa but it was inaccessible (behind a locked door).
- \*\* Home and office phone number(s) of emergency coordinators, phone numbers of fire, police, hospital and response personnel, and location of fire extinguisher, spill control material and alarms.



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**E. Small Quantity Generator Extended Quantity and Storage Provision Requirements [Env-Wm 508.03]**

1. Are weekly inspections conducted and documented for containers? na \_\_\_\_\_
2. Are tanks inspected on a daily basis? na \_\_\_\_\_
3. Are containers under the management of a designated hazardous waste manager emergency coordinator or their designee? na \_\_\_\_\_
4. Is the fill date marked or labelled on each container? na \_\_\_\_\_
5. Are containers shipped off-site within 90 days of the fill date? na \_\_\_\_\_
6. Does the quantity of wastes accumulated on-site exceed 1000 Kg.? na \_\_\_\_\_
7. Are wastes stored on-site more than one year from the original start date of accumulation? na \_\_\_\_\_

**F. Twelve Hour Rule Provision Requirements [Env-Wm 507.01(g)]**

Less than twelve hours accumulation of hazardous waste at the point of generation. Applicable to all generators of over 100 Kg. of hazardous waste per month.

1. Is the container marked or labelled with the following:
  - a) The words "hazardous waste"; and na \_\_\_\_\_
  - b) Words which identify the contents of the container. na \_\_\_\_\_
2. Is the container under the control of a trained employee? na \_\_\_\_\_
3. Is the container emptied at the end of a twelve hour period? na \_\_\_\_\_
4. Is there more than one container? na \_\_\_\_\_
5. Does this container exceed the 10 gallon capacity limit? na \_\_\_\_\_

**G. Full Quantity Generator Satellite Storage Provision Requirements [Env-Wm 509.03]**

1. Are the containers under the control of the process operator? na \_\_\_\_\_
2. Has the process operator been trained? na \_\_\_\_\_



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3. Upon reaching the 55-gallon or 1 quart maximum is the following being done;

a) The fill date is marked or labelled on the container; and na

b) The wastes are shipped off-site within 90 days of the fill date. na

4. Subsequent to reaching the 55-gallon or 1 quart maximum at the point of generation, is the following done;

a) The accumulated waste is moved to a designated hazardous waste storage area; or na

b) Any additional accumulated waste containers are marked with the initial fill date and shipped off-site within 90 days of this date. na

H. Miscellaneous Information:

1. Are there any surface waters in the proximity? unnamed brook

2. Is there potential for an imminent hazard, air or water discharge violation? OK

3. Is soil or groundwater contamination detected?  
[Env-Wm 506.01(c)] OK

If so, are the requirements of Env-Wm 702.14 met? na

4. Were any photographs taken? no

If so, which camera was used? na

Photographer? ---

Photo

Subject

---

---



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**HAZARDOUS WASTE GENERATOR RCRA INSPECTION CHECKLIST**  
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**I. Records**

1. Inspection Requirements: [Env-Wm 509.02(a)(1), adopted 40 CFR Part 265.15], adopted 40 CFR Part 265 Subpart I - Use and management of containers, adopted 40 CFR Part 265 Subpart J - tanks.

- a) Are hazardous waste inspections conducted? OK
- b) How often are inspections conducted?  
(containers - weekly, tanks - daily) monthly \*  
(\* At the time of the Inspection, JJA was conducting container storage area general inspections about once per month.)
- c) Are wastes placed in tanks or containers or both? containers
- d) Is there a written inspection schedule? OK
- e) Is there a log or checklist used to record inspections? OK
- f) does it identify the types of problems to be looked for? OK
- g) Are date and nature of remedial actions listed? OK

2. Personnel Training: [Env-Wm 509.02(a)(2), adopted 40 CFR Part 265.16]

- a) Is there a Personnel Training Plan available for review? OK
- b) Is training completed? OK
- c) Is the instructor trained in hazardous waste management? OK
- d) Does training ensure effective response to emergencies? OK
- e) Are annual reviews conducted for personnel handling hazardous waste? OK \*  
(\* JJA's training program has been brought to its current status as of December 16, 1993. According to Bob Bean and Dan Morganti, prior to December 16, 1993, the training program was deficient and there is no record of hazardous waste personnel being trained/updated on an annual basis, because training was not complete. JJA documents that annual reviews will be conducted.)
- f) Is there a written description of training? OK
- g) Are records kept on file (3 years from termination)? OK
- h) Job title/description/name of employee? NO



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3. Contingency Plan: [Env-Wm 509.02(a)(5), adopted 40 CFR Part 265, Subpart D]

- a) Does the facility have a Contingency Plan? OK
- b) Has it been updated as necessary? NO
- c) Are there arrangements with local authorities?  
(At a minimum, CP must be on file at local police, fire dept. and hospital) OK
- d) Content -
- i. emergency coordinator NO \*  
(\* the CP needs updating, Dan Goldsmith, who moved -on from JJA, is still listed as the primary EC)
  - ii. emergency procedures NO
  - iii. emergency equipment OK
  - iv. evacuation plans NO
  - v. reporting OK

4. Manifests:

- a) Are all required parts completed?  
[Env-Wm 510.03(1)] NO \*  
(\* missing manifest document numbers)
- b) Are there any incorrect shipping names, numbers? [Env-Wm 510.03(1)] OK
- c) Are copies distributed correctly?  
[Env-Wm 510.02] OK
- d) Are all required documents held for seven years? [Env-Wm 512.01] NO \*  
(\* missing copy 8)
- e) Date of last manifest/frequency of shipments:  
(according to DES Reporting Section manifest files)

Date	Manifest #	Wastes
12-30-93	MAH546493	F001/D040, F002/D040 (trichloroethylene, fluorocarbon)
11-08-93	MAH549889	F001/D040 (waste trichloroethylene)
11-08-93	MAH548437	F001/D040 (waste trichloroethylene)
09-22-93	MAH318139	F001 (w tri-ene), F001/D040 (waste trichloroethylene)
09-22-93	MAH318140	MA01/NH01 (oil waste)



**HAZARDOUS WASTE GENERATOR RCRA INSPECTION CHECKLIST**  
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5. Does company export hazardous waste? {Env-Wm 510.06} no

a) If so, Are EPA "Acknowledgement of Consents" on file? na

b) Are copies sent with each manifest? na

6. Manifest Review:

Date	Manifest #	Waste Code	Wastes (Amount)	TSD
09-22-93	MAH318139 <sup>1</sup>	F001/D040	415G Laidlaw Environmental Svcs.	
09-22-93	MAH318140 <sup>1</sup>	MA01/NH01	55G LES (NE) Lawrence, MA	
08-12-93	MAH543438 <sup>1</sup>	F001	110G LES (NE) Lawrence, MA	
03-31-93	MAH311861 <sup>1</sup>	F001	220G LES (NE) Lawrence, MA	
01-28-93	MAH301216 <sup>1</sup>	F001	220G LES (NE) Lawrence, MA	
12-02-92	MAA103368 <sup>1</sup>	F001	220G LES (NE) Lawrence, MA	
08-12-92	MAG596513 <sup>1</sup>	F001/NH01	385G LES (NE) Lawrence, MA	
05-13-92	MAG587725 <sup>1</sup>	F001	165G LES (NE) Lawrence, MA	
02-25-92	MAG581504 <sup>1</sup>	F001	110G LES (NE) Lawrence, MA	
11-08-93	MAH548437 <sup>2</sup>	F001/D040	360G LES (NE) Lawrence, MA	
11-08-93	MAH549889 <sup>2</sup>	F001/D040	440P LES (NE) Lawrence, MA	

<sup>1</sup>: Env-Wm 510.03(1) missing manifest document number

<sup>2</sup>: Env-Wm 512.01 missing manifest copy number 8, generator retains copy

J. Hazardous Waste Profile (based on 01-93 to 12-93 annual activity report)

Type of Waste	EPA Waste #	lb./Mo.	Transporter	Off Site TSD
waste 1,1,1-trichloroethane	F001	1509	LES (NE) Lawrence, MA	LES (NE)
mixed solvents (ETOH solns)	D001	83	LES (NE)	LES (NE)
lab pack - lead	D008	3	LES (NE)	LES (NE)
hydraulic oil	NH01	42	LES (NE)	LES (NE)
trichloro-ene, fluorocarbon	F002	38	LES (NE)	LES (NE)

K. Hazardous Waste Determination [Env-Wm 502.01]

one (1) 5-gallon container and one (1) 55-gallon container outside near the warehouse



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L. Used Oil Management

1. Does the facility generate used oil? yes
2. Is the used oil being recycled? no
3. Has the used oil been tested? [Env-Wm 807.06(b) (4)] no \*  
(\* JJA manifests the used oil as MA01/NH01)
4. Are analytical results available for review? na
5. Which of the following is the waste stream classified as:
- a) Specification Used Oil [Env-Wm 807.02] na
- b) Off-Specification Used Oil [Env-Wm 807.03] na
- c) Oil classified as hazardous waste. [Env-Wm 807.04] na
6. If the oil is classified as a hazardous waste and subsequently burned for energy recovery, is it managed as a hazardous waste fuel per Env-Wm 806? na
7. Is the used oil stored in tanks or containers? [Env-Wm 807.06(b) (1)]  
(indicate tank capacity if applicable) na
8. Are all containers and/or tanks marked with the words "Used Oil for Recycle"? [Env-Wm 807.06(b) (2)] na
9. Are the containers or tanks kept closed at all times except when material is actually being added or removed? [Env-Wm 807.06(b) (3)] na
10. Is the used oil shipped off-site? If **yes**, how? MA01/NH01
11. Are copies of all bills of lading and analytical results retained on-site for three years? [Env-Wm 807.06(b) (13)] na
12. Is the generator a "used oil marketer"? [Env-Wm 807.08] no
- a) If yes, have they notified the DES and EPA of their used oil activities? [Env-Wm 807.09(b) (1)] na
- b) Is there a batch specific code on all pertinent copies of the analytical results, manifests and bills of lading? [Env-Wm 807.09(b) (2)] na
- Comments: ---
- c) Has the receiving burner or marketer notified the DES or EPA of its used oil management activities and is proof of this notification retained by the shipping marketers? [Env-Wm 807.09(b) (5)] na
- Comments: ---



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III. POST INSPECTION MEETING:

A. Attended By

Bob Bean, Plant Engineering & Daniel E. Morganti, Operations Manager (JJA)  
Dave Bowen, Sterg Spanos (NHDES)

B. Review

Stergios Spanos informed Bob Bean and Daniel Morganti that he will contact  
DES personnel in the WSPCD regarding whether or not the temporary discharge  
of non-contact cooling water needs to be permitted/regulated. Stergios  
Spanos contacted Pat Reichard who said that she will contact Bob  
Bean/Daniel Morganti regarding the discharge, and copy the RCRA section on  
the final outcome of the matter. discrepancies/violations: hw  
determinations for the contents of one (1) 5-gallon container and one (1)  
55-gallon container outside near the warehouse; need to conduct inspections  
according to a schedule and inspections of containers must be weekly; need  
to develop documentation of hazardous waste job titles, duties description  
and list of personnel in positions, and maintain training program records;  
need to provide adequate water for fire protection at the main hwsa and  
provide access to a telephone or other means of 2-way communication; update  
and supplement the contingency plan; post the emergency measures; assign a  
unique 5-digit manifest document number to each manifest; maintain the  
appropriate copies of manifests for 7 years.



State of New Hampshire  
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

603-271-3503 FAX 603-271-2867

TDD Access: Relay NH 1-800-735-2964



April 7, 1994

**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

**LETTER OF DEFICIENCY  
No. WMD-94-05**

Mr. Bob Bean  
Plant Engineer  
Johnson & Johnston Associates, Inc.  
130 Route 111  
Hampstead, New Hampshire 03841

**RE: Johnson & Johnston Associates, Inc., 130 Route 111, Hampstead, NH  
NHD980909451**

Dear Mr. Bean:

On February 22, 1994, personnel from the Department of Environmental Services, Waste Management Division (Department) conducted an inspection of the above referenced facility. The purpose of the inspection was to determine the compliance status of Johnson & Johnston Associates, Inc. (JJA), with RSA Chapter 147-A and its implementing regulations, the New Hampshire Hazardous Waste Rules (codified as Env-Wm 100-1000). The inspection was carried out under the authority vested in the Department by RSA Ch. 147-A.

As a result of the inspection and subsequent review of materials furnished to the Department by JJA, the following deficiencies were documented:

1. Env-Wm 502.01 - hazardous waste determination

At the time of the inspection, JJA personnel did not know if the contents of one (1) 5-gallon container and one (1) 55-gallon container, located outside near the warehouse, were hazardous wastes.

Env-Wm 502.01 requires that all generators of a waste determine if their waste is a hazardous waste.

The Department requests that JJA perform a hazardous waste determination as specified in Env-Wm 502.01, on the contents of the two (2) containers, and dispose of these wastes appropriately based on the determination. The Department requests that JJA submit the results along with any other supporting data to the Department. Waste determined to be hazardous must be handled pursuant to the requirements of the Hazardous Waste Rules, Env-Wm 100-1000.

RESOURCES DIV.  
64 No. Main Street  
Caller Box 2033  
Concord, N.H. 03302-2033  
Tel. 603-271-1370  
Fax 603-271-1381

WASTE MANAGEMENT DIV.  
6 Hazen Drive  
Concord, N.H. 03301  
Tel. 603-271-2900  
Fax 603-271-2456

WATER RESOURCES DIV.  
64 No. Main Street  
P.O. Box 2008  
Concord, N.H. 03302-2008  
Tel. 603-271-3406  
Fax 603-271-6588

WATER SUPPLY & POLLUTION CONTROL DIV.  
P.O. Box 95  
Concord, N.H. 03302-0095  
Tel. 603-271-3503  
Fax 603-271-2181



Job Bean  
April 7, 1994  
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2. Env-Wm 509.02(a)(1); (40 CFR 265.15) - general inspection requirements

At the time of the inspection, JJA was conducting general inspections at their main hazardous waste storage area about once per month.

Env-Wm 509.02(a)(1), which references 40 CFR 265.15, requires that areas where containers are stored must be inspected at least weekly.

The Department requests that JJA maintain a schedule to inspect its hazardous waste storage area(s) at least weekly, document the inspections and send documentation, to the Department, demonstrating that the inspections are conducted.

3. Env-Wm 509.02(a)(2); (40 CFR 265.16) - personnel training

At the time of the inspection, JJA did not have documentation of the hazardous waste job titles, job descriptions, description of required training, and names of employees filling each position.

Env-Wm 509.02(a)(2), which references 40 CFR 265.16, requires that documents and records related to personnel training are maintained at the facility.

The Department requests that JJA document the hazardous waste job titles, job descriptions, required training, and names of employees filling each position. The Department requests a copy of the required documentation.

4. Env-Wm 509.02(a)(4); (40 CFR Part 265, Subpart C) - preparedness and prevention

At the time of the inspection, JJA had a telephone at the main hazardous waste storage area which was not accessible, because it was behind a locked door. The telephone was JJA's device for summoning emergency assistance. At the time of the inspection JJA did not have water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems, at the main hazardous waste storage area.

Env-Wm 509.02(a)(4), which references 40 CFR Part 265 Subpart C, requires that emergency equipment is immediately available at each hazardous waste storage area. To be available, the equipment must be accessible. Part of the emergency equipment includes: a device for summoning emergency assistance; and water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems.

The Department requests that JJA submit documentation that the telephone at the hazardous waste storage area will be accessible (unless JJA chooses to meet the requirement with other equipment) and that water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems is available.



Bean  
April 7, 1994  
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5. Env-Wm 509.02(a)(5); (40 CFR Part 265, Subpart D) - contingency plan and emergency procedures

At the time of the inspection, the contingency plan for JJA had not been updated to reflect changes in personnel at JJA involved with the hazardous waste management program. Also, the contingency plan had deficiencies regarding emergency procedures and evacuation plans. JJA can make use of the Document Review Checklist, given to JJA personnel during the inspection, to assist in ensuring that the contingency plan is complete.

Env-Wm 509.02(a)(5), which references 40 CFR 265 Subpart D, requires that full quantity generators maintain a complete contingency plan on site.

The Department requests documentation that JJA's contingency plan is complete. JJA should submit the completed contingency plan.

6. Env-Wm 509.02(b) - emergency postings

At the time of the inspection emergency postings indicating the steps to be taken in case of an emergency, the telephone numbers to call, and the location of emergency equipment within the facility, were not posted at the telephone nearest to each hazardous waste storage area.

Env-Wm 509.02(b) requires that each full quantity generator shall post a list of the steps to take if an emergency occurs and the appropriate emergency telephone numbers, and the location of emergency equipment within the facility, at the telephone nearest to each hazardous waste storage area.

The Department requests that these postings be placed at the telephone nearest to each hazardous waste storage area, and that JJA submit a copy of the posting.

7. Env-Wm 510.03(1) - manifest information

At the time of the inspection, a manifest review revealed that nine (9) manifests were missing manifest document numbers.

Env-Wm 510.03(1) which references the Appendix to 40 CFR Part 262, requires that a unique five digit manifest document number be assigned to each manifest document.

The Department requests that JJA ensure that all required information is listed on all manifests as required by Env-Wm 510.03(1) which references the Appendix to 40 CFR Part 262. JJA should submit documentation that will ensure such practice.



Bob Bean  
April 7, 1994  
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8. Env-Wm 512.01 - recordkeeping

At the time of the inspection, a manifest review revealed that the original generator copy of the manifest was not retained by the generator for two (2) manifests.

Env-Wm 512.01 requires that manifest copies, including the original generator copy, be maintained for seven (7) years from the date of signature by the generator.

The Department requests that JJA ensure that manifest copies will be maintained for seven (7) years from the date of signature by the generator. JJA should submit documentation that will ensure such practice.

The Department believes the cited deficiencies can be corrected and a report describing the corrective measure taken by JJA can be submitted within thirty (30) days of receipt of this letter. Supporting documentation describing the measures taken to achieve compliance should be included with the report.

In the event compliance is not achieved within this period, the Department may take further action against JJA, including issuing an order requiring the deficiencies be corrected, initiating an administrative fine proceeding, and/or referring the matter to the New Hampshire Department of Justice for imposition of civil and/or criminal penalties. In addition, Department personnel may reinspect your facility at a later date to determine whether the facility has come into, and is maintaining, full compliance with the applicable rules.

The written report as requested above should be addressed as follows:

Kenneth W. Marschner, Administrator  
Waste Management Compliance Bureau  
Waste Management Division  
Department of Environmental Services  
6 Hazen Drive  
Concord, New Hampshire 03301-6509

With regard to JJA's discharge of non-contact cooling water, this matter has been referred to the Department's Water Supply and Pollution Control Division (WSPCD). The Department expects JJA to pursue the issue of the discharge and any permitting that may be necessary, by contacting Patricia Reichard of the WSPCD, at 271-3503, within thirty (30) days of receipt of this letter.

Furthermore, the Department encourages JJA to contact the New Hampshire Pollution Prevention Program (NHPPP) of the Department, to explore other options to minimize hazardous waste generated at your facility. Please feel free to contact Vince Perelli or Paul Lockwood of NHPPP at 1-800-273-9469 or (603) 271-2901 to find out more about NHPPP.

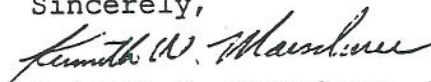


Bob Bean  
April 7, 1994  
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DES

If you have any questions regarding this letter, please contact Stergios Spanos or me at 271-2942.

Sincerely,



Kenneth W. Marschner, Administrator  
Waste Management Compliance Bureau

CERTIFIED MAIL/RRR/# P 385 944 881

cc: DB/RCRA/LOD  
Philip J. O'Brien, Director, WMD  
Gretchen Rule, Department Enforcement Coordinator  
Daniel E. Morganti, Operations Manager, JJA  
Patricia Reichard, WSPCD  
John Johnston, President, JJA  
Stephanie D'Agostino, Pollution Prevention Coordinator  
Paul Lockwood, NHPPP



JOHNSON & JOHNSTON  
ASSOCIATES, INC.

130 ROUTE 111  
HAMPSTEAD, NH 03841  
TELEPHONE (603) 329-5691  
FAX (603) 329-8307



April 27, 1994

1 - 6 1994

Ms. Patricia Reichard  
NH DES Water Supply & Pollution Control  
6 Hazen Drive  
Concord, NH 03302-0095

Dear Patricia,

This letter is written to document our conversation today regarding our non-contact cooling water, as referenced in Ken Marschner's letter of deficiency No. WMD-94-05.

As we discussed, last fall we started to install a closed loop cooling water system for our new vapor degreaser. Unfortunately, we had delays in installation, and as a temporary measure, a water line was run from our well through the coil, and out the plant, unto the ground. The flow in the line contained only water.

Last week, as of 4/18/94, we put the new closed loop into service. As such, use of the temporary water line was discontinued.

Per our discussion, I understand we do not require any further action. Thank you for your assistance.

Sincerely,

Bob Bean, Plant Engineering  
Johnson & Johnston Associates, Inc.

CC: Ken Marschner, NHDES; Dan Morganti, JJA; John Johnston, JJA



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***APPENDIX C***

***Environmental Data Resources, Inc. Database Report***

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## **The EDR-Radius Map with GeoCheck®**

**Johnson & Johnson Associates, Inc.  
130 Route 111  
Hampstead, NH 03841**

**Inquiry Number: 490604.1s**

**May 01, 2000**

## ***The Source For Environmental Risk Management Data***

**3530 Post Road  
Southport, Connecticut 06490**

**Nationwide Customer Service**

**Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)**



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***APPENDIX D***

***NHDES On-Line Database Listings***

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# Site Remediation and Groundwater Hazard Inventory Listing of All Initial Response Oil Spill Projects

August 02, 2000 11:01:38 AM

For the Incident Dates between 01-JAN-1995 and 02-AUG-2000 \*

(ALLSPFLWB)  
Page: 1

City / Town	Site Number	Site Name	Site Address	Staff	Spill Amt	Substance	Incident Date
LEXANDRIA	199812188	CROWLEY FOODS SPILL	RTE 104	BERRY	75 GAL	DIESEL FUEL	05-DEC-1998
	199712034	ROUTE 104 TRAFFIC SPILL	ROUTE 104 & PADDY HILL RD.	CHWASCIK	15 GAL	#2 FUEL OIL	16-DEC-1997
	199901024	BEAR BROOK STATE PARK SPILL	RTE 28	BERRY	40 GAL	KEROSENE	14-JAN-1999
	199901015	PINEWOOD RD & TURNPIKE ST	PINEWOOD RD & TURNPIKE ST	HEROUX	12 GAL	GASOLINE	22-DEC-1998
MILFORD	200007015	ADAM MOCK SPILL	30 HALLS HILL RD.	BERRY	20 GAL	DIESEL FUEL	10-JUL-2000
	199606039	DOWNING'S LANDING	MAIN STREET (ROUTE 28A & 11)	BERRY	15 GAL	GASOLINE	07-SEP-1998
	199811036	EDWARD WALSH	LOT #1-S, MERRYMEETING PARK	EVANS	1 GAL	#2 FUEL OIL	01-OCT-1998
	199910040	IRVING OIL CORP	ROUTE 140	EVANS	20 GAL	#2 FUEL OIL	27-OCT-1999
	199903044	KAREN IRONS	ROUTE 28	EVANS	21 GAL	GASOLINE	15-MAR-1999
	200003042	STOCKBRIDGE CORNER RD. SPILL	STOCKBRIDGE CORNER RD.	BERRY	12 GAL	GASOLINE	12-MAR-2000
	199812053	TIM LUX	RRI, BOX 121	EVANS	1 GAL	#2 FUEL OIL	13-NOV-1998
	199812048	BABOOSIC LAKE	LAKEFRONT AVENUE	EVANS	1 GAL	LUBE OIL	03-DEC-1998
	199712009	BASSETT BEDDING	17 COLUMBIA DRIVE	CHWASCIK	60 GAL	DIESEL FUEL	08-DEC-1997
	199810027	TOM MORTIMER RESIDENCE	3 ROBERTS ROAD	BERRY	2 GAL	#2 FUEL OIL	14-OCT-1998
NORTHAMPTON	199806040	MITCHELL RESIDENCE	79 GREGG LAKE ROAD	CHWASCIK	10 GAL	KEROSENE	17-JUN-1998
	199807041	SANDY DALPHOND RENTAL PROPERTY	118 CONCORD STREET (ROUTE 202)	CHWASCIK	2 GAL	LUBE OIL	20-JUL-1998
	199301002	ASHLAND ECCO	MAIN STREET	EVANS	17 GAL	GASOLINE	26-JAN-2000
	199812087	ASHLAND FIRE DEPARTMENT	MAIN STREET	EVANS	10 GAL	#2 FUEL OIL	18-DEC-1998
NORFOLK	199812029	DIANE RAMSELL	423 SHACKFORD CORNER ROAD	HEROUX	20 GAL	HYDRAULIC OIL	02-DEC-1998
	199801030	PSNH TRANSFORMER SPILL	BARN DOOR GAP RD.	BERRY	20 GAL	TRANSFORMER	12-JAN-1998
NORRINGTON	199802041	GILLETTE ENTERTAINMENT SPILL	RTE 4	BERRY	75 GAL	DIESEL FUEL	15-SEP-1997
	199803035	HYDRAULIC RELEASE	SECOND CROWN POINT DRIVE	HEROUX	30 GAL	HYDRAULIC OIL	17-MAR-1998
	200006019	IRVING MAINWAY	143 ROUTE 9	EVANS	20 GAL	GASOLINE	02-JUN-2000
	199712076	STONEHOUSE POND	ACCESS RD	EVANS	1 GAL	OTHER	04-DEC-1997
	199512013	THE SUMMIT SITE AT ATTITASH/ BEAR PEAK	ROUTE 302	CHWASCIK	53 GAL	#2 FUEL OIL	15-MAY-1998
NORFOLK	199808010	WYNDMONT, INC	RT 302	EVANS	5 GAL	DIESEL FUEL	10-AUG-1998
	199808046	BELL ATLANTIC SPILL	65 CARRIAGE LANE	CHWASCIK	5 GAL	#2 FUEL OIL	28-AUG-1998
	199903007	EVERETT TURNPIKE	EVERETT TURNPIKE	HEROUX	10 GAL	OTHER	04-MAR-1999
	199711046	PINARD EXCAVATING CO	OLD ENGLISH ROAD	EVANS	20 GAL	DIESEL FUEL	20-OCT-1997
	199906082	PSNH	123 WALLACE ROAD	EVANS	12 GAL	TRANSFORMER	29-JUN-1999
	199906015	ROUTE 3 / SOUTH RIVER ROAD	124 BLOCK	LEATHERS	2 GAL	HYDRAULIC OIL	03-JUN-1999
	199906003	RT 3 IN FRONT OF WOODBURY CRT.	124 S. RIVER ROAD ( RT3)	LEATHERS	5 GAL	HYDRAULIC OIL	03-JUN-1999



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***APPENDIX E***

***NHDES GIS Database Report***

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The map displays the Aiken area, with a central 'SITE' marked by a circle. A 'Boundary' is indicated by a dashed line. Various monitoring points are labeled with alphanumeric codes, including:

- 104.0005
- 104.0039
- 104.0077
- 104.0006
- 1036040-003
- 1036040-001
- 1036030-001
- 1036030-002
- 1036030-003
- 1036030-004
- 1036030-005
- 1036030-006
- 1036030-007
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- 1036030-229
- 10360

\* GWHI Sites  
 GWHI Areas  
 USTs  
 RCRA Sites  
 RCRA Areas  
 Junkyards  
 \* Public Water Supplies  
 Water Well Inventory  
 SWPAs  
 — River, stream  
 - - - - - Intermittent stream  
 Lake, pond  
 Marsh, wetland  
 — Primary route  
 — Secondary route  
 Road, street  
 Other road, street  
 +++ Railroads  
 — Pipeline  
 — Power line  
 - - - - - Telephone line  
 Other power facility  
 — Airport  
 Other facility  
 State boundary  
 County boundary  
 Town boundary

The coverages presented in this program are under constant revision as new sites or facilities are added. They may not contain all of the potential or existing sites or facilities. The Department is not responsible for the use or interpretation of this information, nor for any inaccuracies.

Map Prepared May 15, 2000.

SCALE: 1:25000





***Town of Hampstead Information***







*Johnson & Johnston Associates, Inc.*





39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 8/3/00

CUSHING & JAMMALLO INC.  
85 CONSTITUTION LANE SUITE 3C1  
DANVERS, MA 01923  
ATTN: JOE JAMMALLO

CONTRACT NUMBER:  
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

### ANALYTICAL SUMMARY

LIMS BAT #: LIMS-49800

JOB NUMBER: 00-002

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

CJ-4D	00B18345	GRND WATER	NOT SPECIFIED	mn (diss) icp	
CJ-4D	00B18351	GRND WATER	NOT SPECIFIED	toc	SUBCONTRACTED
CJ-4D	00B18357	GRND WATER	NOT SPECIFIED	special test	SUBCONTRACTED
*CJ-4S	00B18320	GRND WATER	NOT SPECIFIED	8260 water	
CJ-4S	00B18328	GRND WATER	NOT SPECIFIED	chloride manual	
CJ-4S	00B18328	GRND WATER	NOT SPECIFIED	nitrate	
CJ-4S	00B18334	GRND WATER	NOT SPECIFIED	sulfate	SUBCONTRACTED
CJ-4S	00B18340	GRND WATER	NOT SPECIFIED	special test	SUBCONTRACTED
CJ-4S	00B18346	GRND WATER	NOT SPECIFIED	mn (diss) icp	
CJ-4S	00B18352	GRND WATER	NOT SPECIFIED	toc	SUBCONTRACTED
CJ-4S	00B18358	GRND WATER	NOT SPECIFIED	special test	SUBCONTRACTED
*TRIP BLANK	00B18317	GRND WATER	NOT SPECIFIED	8260 water	

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

AIHA 100033	AIHA ELLAP (LEAD) 100033
MASSACHUSETTS MA0100	NEW HAMPSHIRE 2516
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036
NEW YORK ELAP 10899	RHODE ISLAND (LIC. No. 112)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

*Edward Denson* 8/7/00

SIGNATURE

DATE

Tod Kopyscinski  
Director of Operations

Edward Denson  
Technical Director

\* See end of data tabulation for notes and comments pertaining to this sample



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***APPENDIX G***

***Soil Boring Logs***

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# SOIL BORING LOG

<b>CUSHING &amp; JAMMALLO, INC.</b> <b>85 CONSTITUTION LANE</b> <b>SUITE 301</b> <b>DANVERS, MASSACHUSETTS 01923</b> <b>TEL: (978) 774-7224</b> <b>FAX: (978) 774-7292</b>						<b>SITE:</b> Johnson & Johnston Associates, Inc. <b>DATE:</b> 5/30/00 <b>CLIENT:</b> Johnson & Johnston Associates, Inc. <b>DRILLING CO.:</b> New Hampshire Boring, Inc. <b>DRILLING METHOD:</b> Hollow Stem Auger/Air Hammer <b>SAMPLER METHOD:</b> Split-Spoon <b>CASING DIAMETER:</b> HAS: 7.25" OD/4.25" ID // Air Hammer: 4 " O		<b>WELL/BORING NO.:</b> CJ-4S <b>WEATHER:</b> Partly Cloudy <b>C&amp;J INSPECTOR:</b> Jammallo <b>SURFACE ELEVATION:</b> <b>DEPTH TO WATER:</b> <b>C&amp;J PROJECT NO.:</b> 00-002 <b>SHEET:</b> 2 of 2	
Sample No.	Recovery/ Penetration (in/in)	Blow Counts (per 6")	Headspace (ppm)	Depth (feet)	Soil Log	Materials Description (color, density, size, major and minor constituents, moisture)	Well Construction		
				31		Till	Cement Seal: 0 to 1'		
				32		Bedrock encountered at 32 feet.	Natural Fill: 1' to 2'		
				33			Bentonite Seal 2' to 7'		
				34			Filter Sank 1' to 2'; 7' to 25.5'		
				35			PVC Riser: 0 to 10.5'		
				36			PVC Screen: 10.5' to 25.5'		
				37					
				38					
				39					
				40					
				41					
				42					
				43					
				44					
				45		Bottom of boring at 45 feet.			
				46					
				47					
				48					
				49					
				50					
				51					
				52					
				53					
				54					
				55					
				56					
				57					
				58					
				59					
				60					
<b>COMMENTS:</b>						<b>GRANULAR SOILS COHESIVELESS DENSITY</b> 0-4 Very Loose 5-9 Loose 10-29 Medium Dense 30-49 Dense 50+ Very Dense  <b>PROPORTIONS USED</b> Trace 0-10% Little 10-20% Some 20-35% And 35-50%		<b>PLASTIC SOILS COHESIVE DENSITY</b> 0-2 Very Soft 3-4 Soft 5-8 Medium Stiff 9-15 Stiff 16-30 Very Stiff 31+ Hard  <b>LEGEND:</b> ND = Not Detected NA = Not Applicable GS = Ground Surface	



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***APPENDIX I***

***Laboratory Testing Results for Groundwater and  
Septic Systems Sampled in June 2000***

---





111 Herrick Street, Merrimack, NH 03054  
TEL: (603) 424-2022 · FAX: (603) 429-8496

June 12, 2000

Joe Jammallo  
Cushing & Jammallo Inc.  
85 Constitution Lane. Suite 3C1  
Danvers, MA 01923  
TEL: (978) 774-7224  
FAX (978) 774-7292

RE: 00-002 Johnson+Johnston Associates

Order No.: 0005326

Dear Joe Jammallo,

AMRO Environmental Laboratories Corp. received 2 samples on 5/31/00 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds EPA and state requirements. A copy of the appropriate State Certificate is attached. The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt.

Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

Nancy Stewart  
Vice President / Lab Director

CC:



---

***APPENDIX I***

***Laboratory Testing Results for Groundwater and  
Septic Systems Sampled in June 2000***

---





111 Herrick Street, Merrimack, NH 03054  
TEL: (603) 424-2022 · FAX: (603) 429-8496

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Nancy Stewart  
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CC: